CASE NO. 25435

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

EXHIBIT LIST (**Revised**)

Statement of Changes

PART I

1. Pooling Checklist (**Revised**)

2. Landman's Affidavit
   - 2-A: C-102s
   - 2-B: Ownership Plat and Lists (**Revised**)
   - 2-C: Summary of Contacts
   - 2-D: AFEs

PART II

3. Geologist's Affidavit
   - 3-A: Locator Map
   - 3-B: Activity/Structure Map
   - 3-C: Activity/Structure Map
   - 3-D: Cross-Section (**Revised**)
   - 3-E: Cross-Section (**Revised**)
   - 3-F: Directional Drilling Plans

4. Affidavit of Certified Mailing
   - 4-A: Notice Letter and Receipts

5. Application and Proposed Notice

CASE NO. 25435

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO

Statement of Changes

Exhibit 1 (the Pooling Checklist) was revised on page 2 to correct the footages of the 18H well.

Exhibit 2-B was revised to correct the unit outline on the Ownership Plat.

Exhibits 3-D and 3-E (the Cross-Sections) were revised to make the graphs more readable (higher resolution).

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

Case No. 25435

VERIFIED STATEMENT OF JUSTIN ROEDER

Justin Roeder, being duly sworn upon his oath, deposes and states:

1. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and have personal knowledge of the matters stated herein. I have previously been qualified by the Division as an expert geologist.

2. Mewbourne filed this application with the Oil Conservation Division for an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a proximity tract horizontal spacing unit comprised of the W/2 of Section 21, the W/2 of Section 28, and the W/2 of Section 33, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico. Applicant proposes to drill the following wells to test the Bone Spring formation:

(a) The North Wilson Deep Unit Well No. 17H, with a first take point in the NW/4NW/4 of Section 21 and a last take point in the SW/4SW/4 of Section 33;

(b) The North Wilson Deep Unit Well No. 18H, with a first take point in the NW/4NW/4 of Section 21 and a last take point in the SW/4SW/4 of Section 33. This is the proximity tract well; and

(c) The North Wilson Deep Unit Well No. 19H, with a first take point in the NE/4NW/4 of Section 21 and a last take point in the SE/4SW/4 of Section 33.

3. Exhibit 3-A is a locator map showing the location of the well unit in eastern Lea County.

4. Attached as Exhibit 3-B is a Horizontal Activity Map showing all existing and proposed Second Bone Spring development in the area of the North Wilson Deep Unit. Structure dips to the southwest. The 17H and 19H wells are Second Bone Spring wells.

EXHIBIT 3

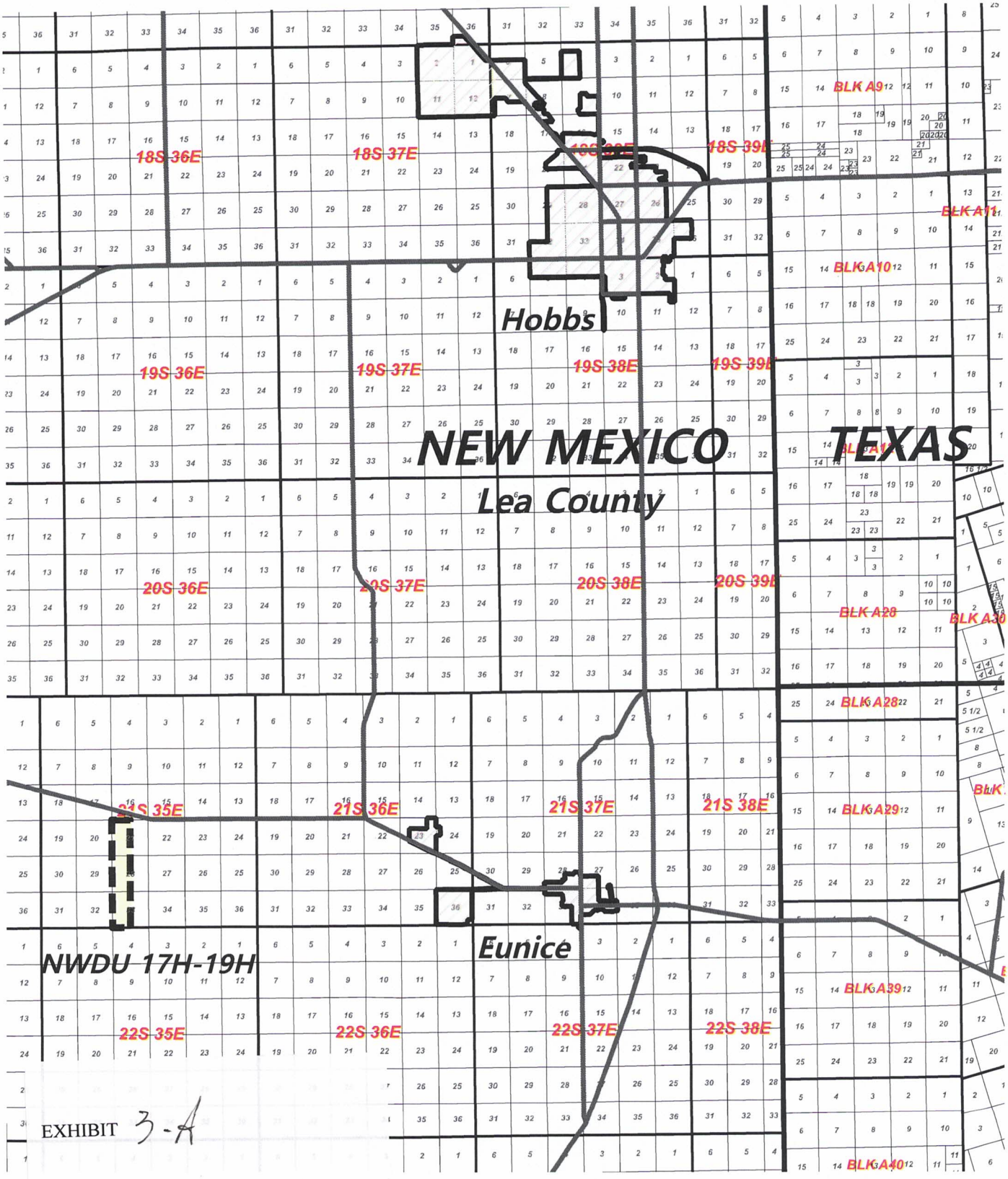


EXHIBIT 3-A

NWDU 17H-19H
Locator Map

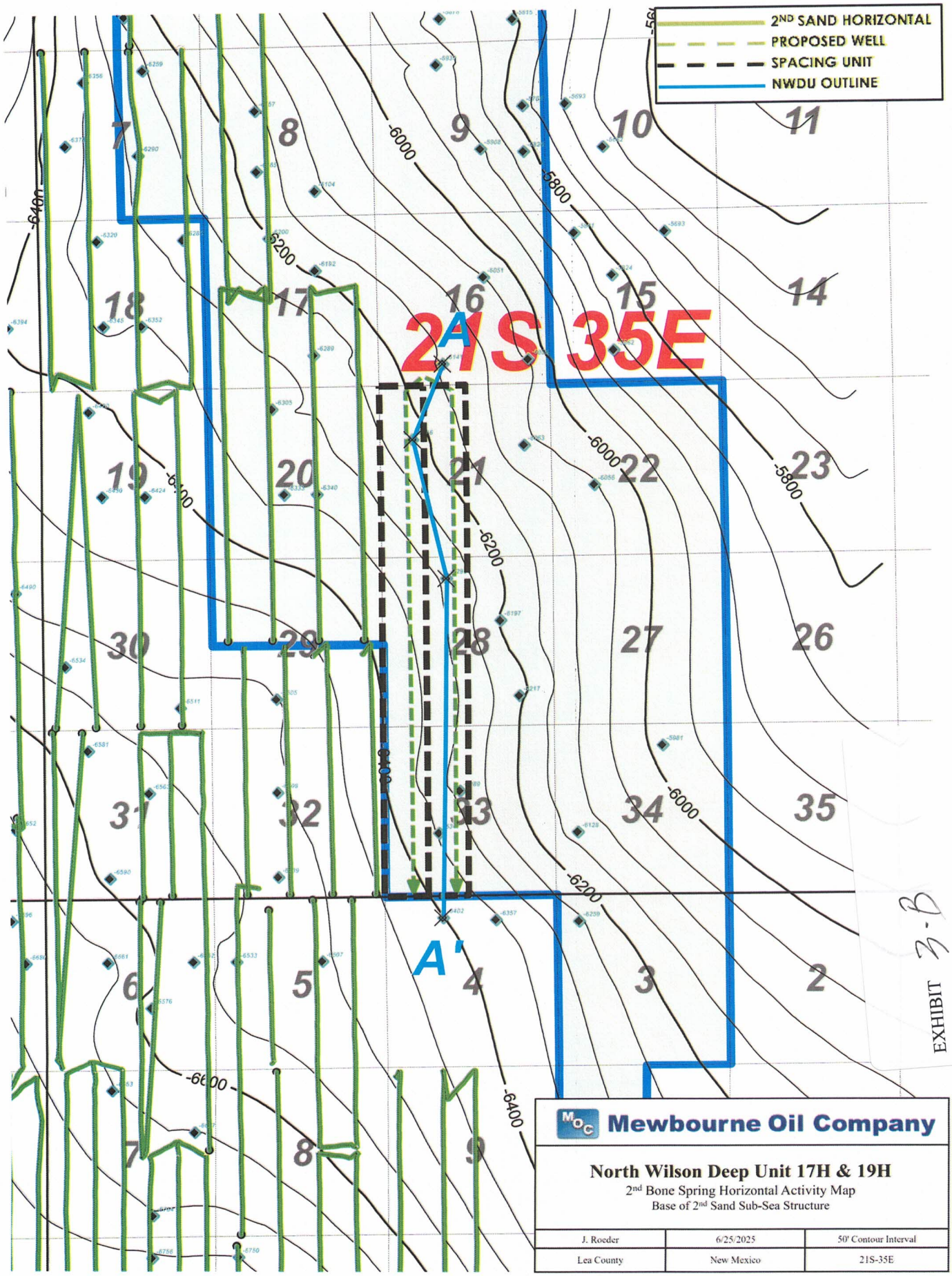

2ND SAND HORIZONTAL
PROPOSED WELL
SPACING UNIT
NWDU OUTLINE
21S 35E
A
A'
-6000
-5800
-6200
-6400
Mewbourne Oil Company
North Wilson Deep Unit 17H & 19H
2nd Bone Spring Horizontal Activity Map
Base of 2nd Sand Sub-Sea Structure
J. Roeder
6/25/2025
50' Contour Interval
Lea County
New Mexico
21S-35E

EXHIBIT 3-B

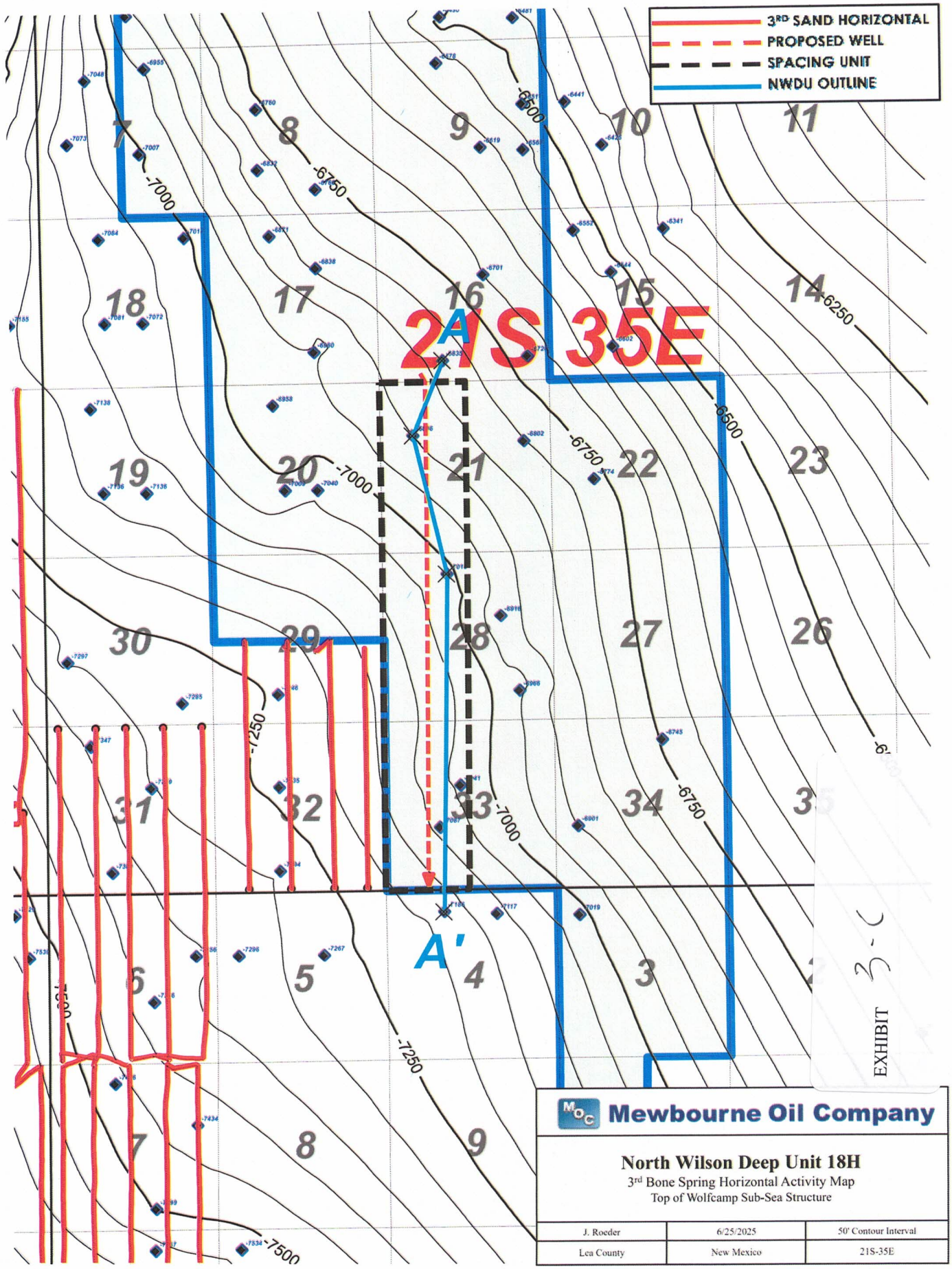


EXHIBIT 3-C

Mewbourne Oil Company

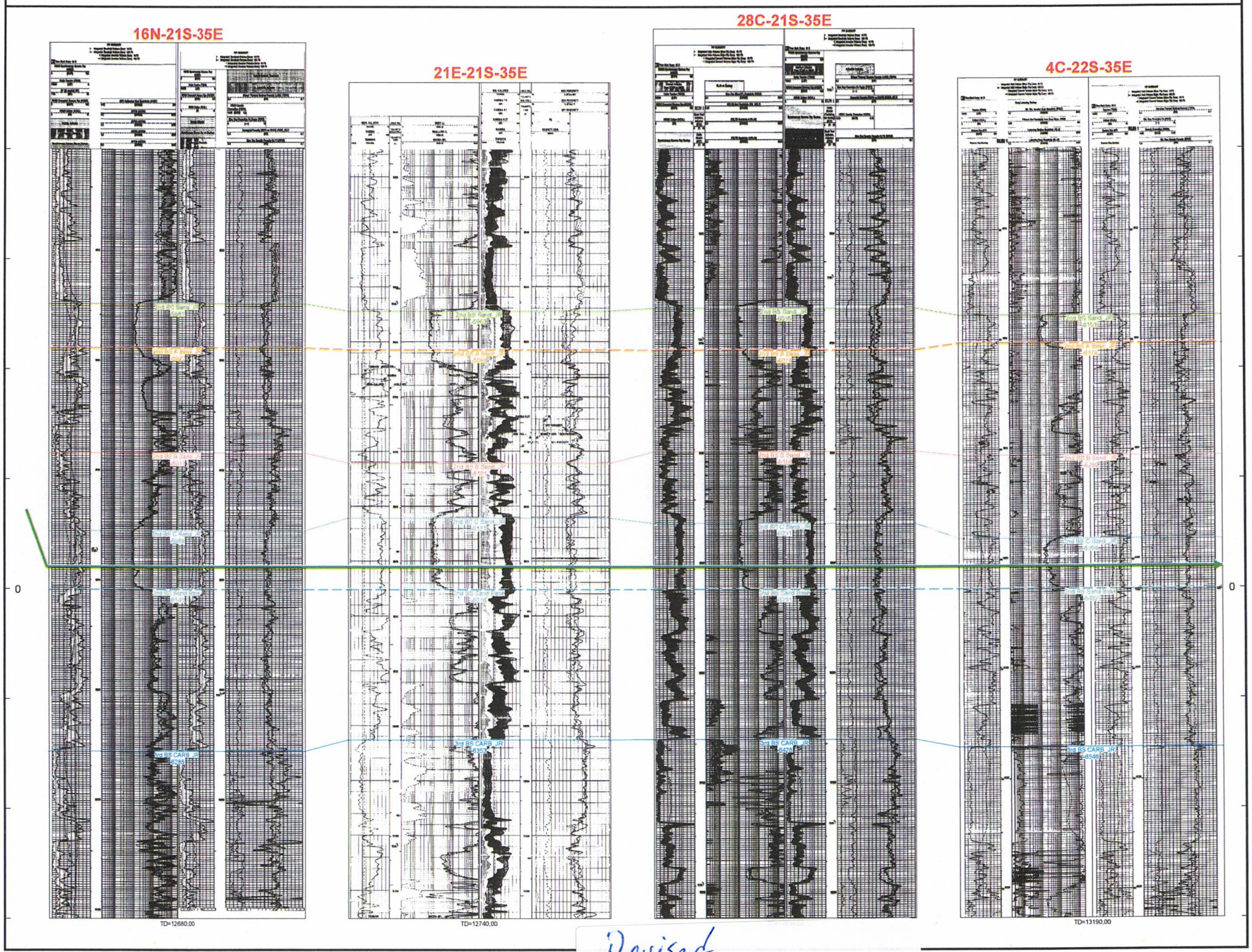
North Wilson Deep Unit 18H

3rd Bone Spring Horizontal Activity Map

Top of Wolfcamp Sub-Sea Structure

J. Roeder	6/25/2025	50' Contour Interval
Lea County	New Mexico	21S-35E

NWDU 17H & 19H B2 X-SECTION



Revised

EXHIBIT 3-D

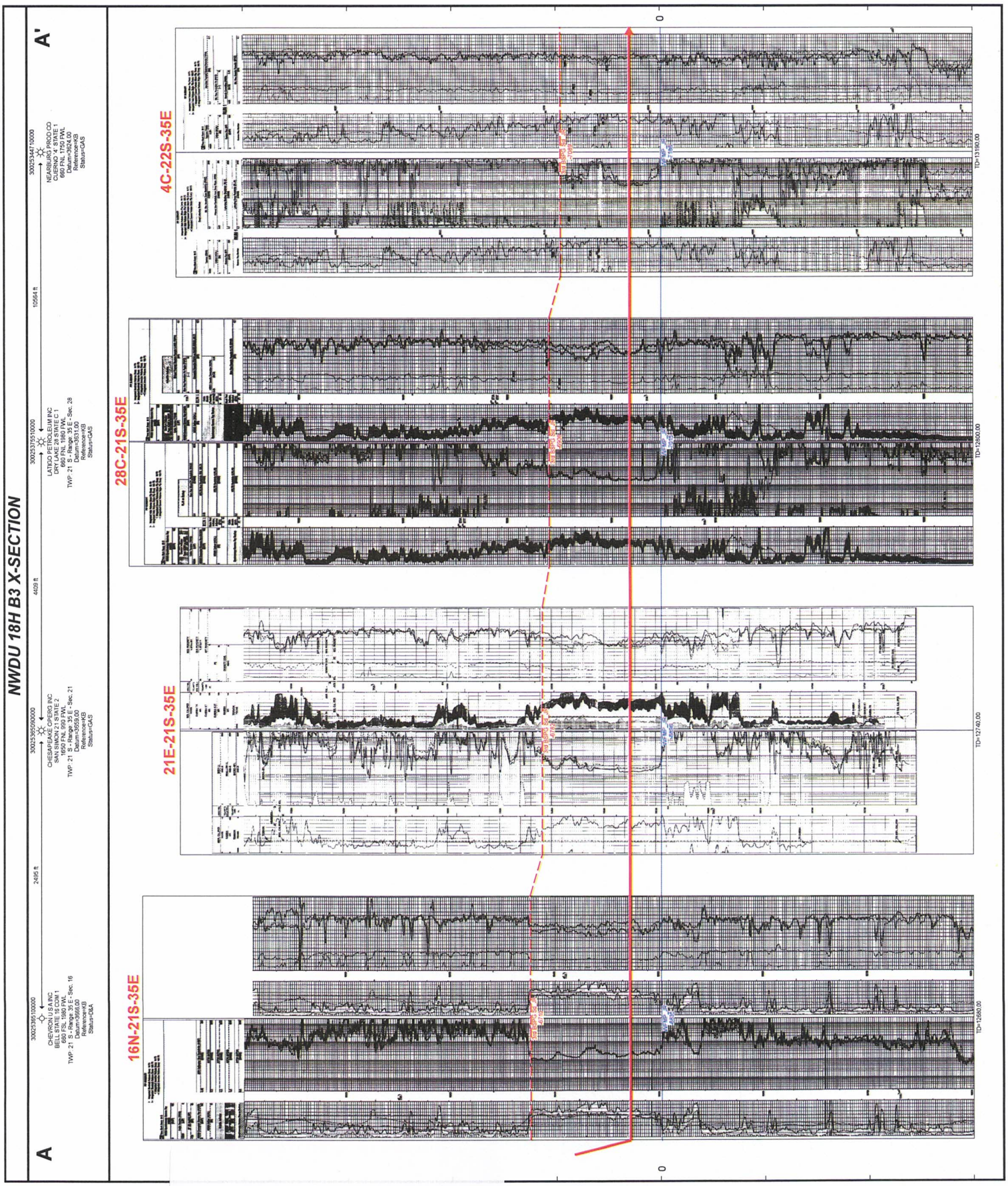


EXHIBIT 3.E

Revised

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: North Wilson Deep Unit #17H
KOP: 9266.04
SHL: 260 FSL & 1281 FWL, Sec 16, 21S-35E
BHL: 100 FSL & 850 FWL, Sec 33, 21S-35E

Target KBTVD: 9,839 Feet 9839.00
Target Angle: 89.22 Degrees 89.22
Section Plane: 181.66 Degrees
Declination Corrected to True North: 0.00 Degrees
Bit to Survey Offset: 0 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT RADIANS	AZIMUTH (RADIANS)	
T/I	9266.04	0.00	181.66	N/A	9266.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9266.0	573.0	1E-12	3.17	#######
1	9355.26	8.92	181.66	89.22	9354.9	6.9	-6.9	-0.2	6.9	181.7	10.0	10.0	9354.8	484.2	0.15572	3.17	0.15572
2	9444.48	17.84	181.66	89.22	9441.6	27.6	-27.6	-0.8	27.6	181.7	10.0	10.0	9441.2	397.8	0.31144	3.17	0.15572
3	9533.70	26.77	181.66	89.22	9524.1	61.4	-61.4	-1.8	61.4	181.7	10.0	10.0	9523.2	315.8	0.46716	3.17	0.15572
4	9622.92	35.69	181.66	89.22	9600.3	107.6	-107.6	-3.1	107.6	181.7	10.0	10.0	9598.8	240.2	0.62288	3.17	0.15572
5	9712.14	44.61	181.66	89.22	9668.4	165.1	-165.0	-4.8	165.1	181.7	10.0	10.0	9666.2	172.8	0.77859	3.17	0.15572
6	9801.36	53.53	181.66	89.22	9726.8	232.4	-232.3	-6.7	232.4	181.7	10.0	10.0	9723.6	115.4	0.93431	3.17	0.15572
7	9890.58	62.45	181.66	89.22	9774.1	308.0	-307.9	-8.9	308.0	181.7	10.0	10.0	9769.9	69.1	1.09003	3.17	0.15572
8	9979.80	71.38	181.66	89.22	9809.0	390.0	-389.8	-11.3	390.0	181.7	10.0	10.0	9803.7	35.3	1.24575	3.17	0.15572
9	10069.03	80.30	181.66	89.22	9830.8	476.4	-476.2	-13.8	476.4	181.7	10.0	10.0	9824.3	14.7	1.40147	3.17	0.15572
10	10158.25	89.22	181.66	89.22	9838.9	565.2	-564.9	-16.4	565.2	181.7	10.0	10.0	9831.3	7.7	1.55719	3.17	0.15572
11	10200.00	89.22	181.66	41.755	9839.5	606.9	-606.7	-17.6	606.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
12	10300.00	89.22	181.66	100	9840.9	706.9	-706.6	-20.5	706.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
13	10400.00	89.22	181.66	100	9842.2	806.9	-806.6	-23.4	806.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
14	10500.00	89.22	181.66	100	9843.6	906.9	-906.5	-26.3	906.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
15	10600.00	89.22	181.66	100	9845.0	1006.9	-1006.5	-29.2	1006.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
16	10700.00	89.22	181.66	100	9846.3	1106.9	-1106.4	-32.1	1106.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
17	10800.00	89.22	181.66	100	9847.7	1206.9	-1206.4	-35.0	1206.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
18	10900.00	89.22	181.66	100	9849.0	1306.8	-1306.3	-37.8	1306.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
19	11000.00	89.22	181.66	100	9850.4	1406.8	-1406.2	-40.7	1406.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
20	11100.00	89.22	181.66	100	9851.8	1506.8	-1506.2	-43.6	1506.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
21	11200.00	89.22	181.66	100	9853.1	1606.8	-1606.1	-46.5	1606.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
22	11300.00	89.22	181.66	100	9854.5	1706.8	-1706.1	-49.4	1706.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
23	11400.00	89.22	181.66	100	9855.8	1806.8	-1806.0	-52.3	1806.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
24	11500.00	89.22	181.66	100	9857.2	1906.8	-1906.0	-55.2	1906.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
25	11600.00	89.22	181.66	100	9858.6	2006.8	-2005.9	-58.1	2006.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
26	11700.00	89.22	181.66	100	9859.9	2106.8	-2105.9	-61.0	2106.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
27	11800.00	89.22	181.66	100	9861.3	2206.8	-2205.8	-63.9	2206.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
28	11900.00	89.22	181.66	100	9862.6	2306.8	-2305.8	-66.8	2306.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
29	12000.00	89.22	181.66	100	9864.0	2406.7	-2405.7	-69.7	2406.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
30	12100.00	89.22	181.66	100	9865.4	2506.7	-2505.7	-72.6	2506.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
31	12200.00	89.22	181.66	100	9866.7	2606.7	-2605.6	-75.5	2606.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
32	12300.00	89.22	181.66	100	9868.1	2706.7	-2705.6	-78.4	2706.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
33	12400.00	89.22	181.66	100	9869.5	2806.7	-2805.5	-81.3	2806.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
34	12500.00	89.22	181.66	100	9870.8	2906.7	-2905.5	-84.2	2906.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
35	12600.00	89.22	181.66	100	9872.2	3006.7	-3005.4	-87.1	3006.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
36	12700.00	89.22	181.66	100	9873.5	3106.7	-3105.4	-90.0	3106.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
37	12800.00	89.22	181.66	100	9874.9	3206.7	-3205.3	-92.9	3206.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
38	12900.00	89.22	181.66	100	9876.3	3306.7	-3305.3	-95.8	3306.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
39	13000.00	89.22	181.66	100	9877.6	3406.7	-3405.2	-98.7	3406.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
40	13100.00	89.22	181.66	100	9879.0	3506.6	-3505.2	-101.6	3506.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
41	13200.00	89.22	181.66	100	9880.3	3606.6	-3605.1	-104.4	3606.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
42	13300.00	89.22	181.66	100	9881.7	3706.6	-3705.1	-107.3	3706.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
43	13400.00	89.22	181.66	100	9883.1	3806.6	-3805.0	-110.2	3806.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
44	13500.00	89.22	181.66	100	9884.4	3906.6	-3905.0	-113.1	3906.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
45	13600.00	89.22	181.66	100	9885.8	4006.6	-4004.9	-116.0	4006.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
46	13700.00	89.22	181.66	100	9887.1	4106.6	-4104.9	-118.9	4106.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
47	13800.00	89.22	181.66	100	9888.5	4206.6	-4204.8	-121.8	4206.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
48	13900.00	89.22	181.66	100	9889.9	4306.6	-4304.8	-124.7	4306.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
49	14000.00	89.22	181.66	100	9891.2	4406.6	-4404.7	-127.6	4406.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
50	14100.00	89.22	181.66	100	9892.6	4506.6	-4504.7	-130.5	4506.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10

EXHIBIT 3-F

51	14200.00	89.22	181.66	100	9893.9	4606.5	-4604.6	-133.4	4606.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
52	14300.00	89.22	181.66	100	9895.3	4706.5	-4704.6	-136.3	4706.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
53	14400.00	89.22	181.66	100	9896.7	4806.5	-4804.5	-139.2	4806.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
54	14500.00	89.22	181.66	100	9898.0	4906.5	-4904.5	-142.1	4906.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
55	14600.00	89.22	181.66	100	9899.4	5006.5	-5004.4	-145.0	5006.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
56	14700.00	89.22	181.66	100	9900.7	5106.5	-5104.4	-147.9	5106.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10

57	14800.00	89.22	181.66	100	9902.1	5206.5	-5204.3	-150.8	5206.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
58	14900.00	89.22	181.66	100	9903.5	5306.5	-5304.3	-153.7	5306.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
59	15000.00	89.22	181.66	100	9904.8	5406.5	-5404.2	-156.6	5406.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
60	15100.00	89.22	181.66	100	9906.2	5506.5	-5504.1	-159.5	5506.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
61	15200.00	89.22	181.66	100	9907.6	5606.4	-5604.1	-162.4	5606.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
62	15300.00	89.22	181.66	100	9908.9	5706.4	-5704.0	-165.3	5706.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
63	15400.00	89.22	181.66	100	9910.3	5806.4	-5804.0	-168.2	5806.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
64	15500.00	89.22	181.66	100	9911.6	5906.4	-5903.9	-171.1	5906.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
65	15600.00	89.22	181.66	100	9913.0	6006.4	-6003.9	-173.9	6006.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
66	15700.00	89.22	181.66	100	9914.4	6106.4	-6103.8	-176.8	6106.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
67	15800.00	89.22	181.66	100	9915.7	6206.4	-6203.8	-179.7	6206.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
68	15900.00	89.22	181.66	100	9917.1	6306.4	-6303.7	-182.6	6306.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
69	16000.00	89.22	181.66	100	9918.4	6406.4	-6403.7	-185.5	6406.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
70	16100.00	89.22	181.66	100	9919.8	6506.4	-6503.6	-188.4	6506.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
71	16200.00	89.22	181.66	100	9921.2	6606.4	-6603.6	-191.3	6606.4	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
72	16300.00	89.22	181.66	100	9922.5	6706.3	-6703.5	-194.2	6706.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
73	16400.00	89.22	181.66	100	9923.9	6806.3	-6803.5	-197.1	6806.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
74	16500.00	89.22	181.66	100	9925.2	6906.3	-6903.4	-200.0	6906.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
75	16600.00	89.22	181.66	100	9926.6	7006.3	-7003.4	-202.9	7006.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
76	16700.00	89.22	181.66	100	9928.0	7106.3	-7103.3	-205.8	7106.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
77	16800.00	89.22	181.66	100	9929.3	7206.3	-7203.3	-208.7	7206.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
78	16900.00	89.22	181.66	100	9930.7	7306.3	-7303.2	-211.6	7306.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
79	17000.00	89.22	181.66	100	9932.0	7406.3	-7403.2	-214.5	7406.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
80	17100.00	89.22	181.66	100	9933.4	7506.3	-7503.1	-217.4	7506.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
81	17200.00	89.22	181.66	100	9934.8	7606.3	-7603.1	-220.3	7606.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
82	17300.00	89.22	181.66	100	9936.1	7706.3	-7703.0	-223.2	7706.3	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
83	17400.00	89.22	181.66	100	9937.5	7806.2	-7803.0	-226.1	7806.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
84	17500.00	89.22	181.66	100	9938.9	7906.2	-7902.9	-229.0	7906.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
85	17600.00	89.22	181.66	100	9940.2	8006.2	-8002.9	-231.9	8006.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
86	17700.00	89.22	181.66	100	9941.6	8106.2	-8102.8	-234.8	8106.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
87	17800.00	89.22	181.66	100	9942.9	8206.2	-8202.8	-237.7	8206.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
88	17900.00	89.22	181.66	100	9944.3	8306.2	-8302.7	-240.5	8306.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
89	18000.00	89.22	181.66	100	9945.7	8406.2	-8402.7	-243.4	8406.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
90	18100.00	89.22	181.66	100	9947.0	8506.2	-8502.6	-246.3	8506.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
91	18200.00	89.22	181.66	100	9948.4	8606.2	-8602.6	-249.2	8606.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
92	18300.00	89.22	181.66	100	9949.7	8706.2	-8702.5	-252.1	8706.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
93	18400.00	89.22	181.66	100	9951.1	8806.2	-8802.5	-255.0	8806.2	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
94	18500.00	89.22	181.66	100	9952.5	8906.1	-8902.4	-257.9	8906.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
95	18600.00	89.22	181.66	100	9953.8	9006.1	-9002.4	-260.8	9006.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
96	18700.00	89.22	181.66	100	9955.2	9106.1	-9102.3	-263.7	9106.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
97	18800.00	89.22	181.66	100	9956.5	9206.1	-9202.3	-266.6	9206.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
98	18900.00	89.22	181.66	100	9957.9	9306.1	-9302.2	-269.5	9306.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
99	19000.00	89.22	181.66	100	9959.3	9406.1	-9402.2	-272.4	9406.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
100	19100.00	89.22	181.66	100	9960.6	9506.1	-9502.1	-275.3	9506.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
101	19200.00	89.22	181.66	100	9962.0	9606.1	-9602.0	-278.2	9606.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
102	19300.00	89.22	181.66	100	9963.3	9706.1	-9702.0	-281.1	9706.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
103	19400.00	89.22	181.66	100	9964.7	9806.1	-9801.9	-284.0	9806.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
104	19500.00	89.22	181.66	100	9966.1	9906.1	-9901.9	-286.9	9906.1	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
105	19600.00	89.22	181.66	100	9967.4	10006.0	######	-289.8	10006.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
106	19700.00	89.22	181.66	100	9968.8	10106.0	######	-292.7	10106.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
107	19800.00	89.22	181.66	100	9970.1	10206.0	######	-295.6	10206.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
108	19900.00	89.22	181.66	100	9971.5	10306.0	######	-298.5	10306.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
109	20000.00	89.22	181.66	100	9972.9	10406.0	######	-301.4	10406.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
110	20100.00	89.22	181.66	100	9974.2	10506.0	######	-304.3	10506.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
111	20200.00	89.22	181.66	100	9975.6	10606.0	######	-307.2	10606.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
112	20300.00	89.22	181.66	100	9977.0	10706.0	######	-310.0	10706.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
113	20400.00	89.22	181.66	100	9978.3	10806.0	######	-312.9	10806.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
114	20500.00	89.22	181.66	100	9979.7	10906.0	######	-315.8	10906.0	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
115	20600.00	89.22	181.66	100	9981.0	11005.9	######	-318.7	11005.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
116	20700.00	89.22	181.66	100	9982.4	11105.9	######	-321.6	11105.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
117	20800.00	89.22	181.66	100	9983.8	11205.9	######	-324.5	11205.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
118	20900.00	89.22	181.66	100	9985.1	11305.9	######	-327.4	11305.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
119	21000.00	89.22	181.66	100	9986.5	11405.9	######	-330.3	11405.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
120	21100.00	89.22	181.66	100	9987.8	11505.9	######	-333.2	11505.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
121	21200.00	89.22	181.66	100	9989.2	11605.9	######	-336.1	11605.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
122	21300.00	89.22	181.66	100	9990.6	11705.9	######	-339.0	11705.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10

123	21400.00	89.22	181.66	100	9991.9	11805.9	######	-341.9	11805.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
124	21500.00	89.22	181.66	100	9993.3	11905.9	######	-344.8	11905.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
125	21600.00	89.22	181.66	100	9994.6	12005.9	######	-347.7	12005.9	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
126	21700.00	89.22	181.66	100	9996.0	12105.8	######	-350.6	12105.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
127	21800.00	89.22	181.66	100	9997.4	12205.8	######	-353.5	12205.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
128	21900.00	89.22	181.66	100	9998.7	12305.8	######	-356.4	12305.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
129	22000.00	89.22	181.66	100	10000.1	12405.8	######	-359.3	12405.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
130	22100.00	89.22	181.66	100	10001.4	12505.8	######	-362.2	12505.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
131	22200.00	89.22	181.66	100	10002.8	12605.8	######	-365.1	12605.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
132	22300.00	89.22	181.66	100	10004.2	12705.8	######	-368.0	12705.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
133	22400.00	89.22	181.66	100	10005.5	12805.8	######	-370.9	12805.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
134	22500.00	89.22	181.66	100	10006.9	12905.8	######	-373.8	12905.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
135	22600.00	89.22	181.66	100	10008.2	13005.8	######	-376.6	13005.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
136	22700.00	89.22	181.66	100	10009.6	13105.8	######	-379.5	13105.8	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
137	22800.00	89.22	181.66	100	10011.0	13205.7	######	-382.4	13205.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
138	22900.00	89.22	181.66	100	10012.3	13305.7	######	-385.3	13305.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
139	23000.00	89.22	181.66	100	10013.7	13405.7	######	-388.2	13405.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
140	23100.00	89.22	181.66	100	10015.1	13505.7	######	-391.1	13505.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
141	23200.00	89.22	181.66	100	10016.4	13605.7	######	-394.0	13605.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
142	23300.00	89.22	181.66	100	10017.8	13705.7	######	-396.9	13705.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
143	23400.00	89.22	181.66	100	10019.1	13805.7	######	-399.8	13805.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
144	23500.00	89.22	181.66	100	10020.5	13905.7	######	-402.7	13905.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
145	23600.00	89.22	181.66	100	10021.9	14005.7	######	-405.6	14005.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
146	23700.00	89.22	181.66	100	10023.2	14105.7	######	-408.5	14105.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
147	23800.00	89.22	181.66	100	10024.6	14205.7	######	-411.4	14205.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
148	23900.00	89.22	181.66	100	10025.9	14305.6	######	-414.3	14305.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
149	24000.00	89.22	181.66	100	10027.3	14405.6	######	-417.2	14405.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
150	24100.00	89.22	181.66	100	10028.7	14505.6	######	-420.1	14505.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
151	24200.00	89.22	181.66	100	10030.0	14605.6	######	-423.0	14605.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
152	24300.00	89.22	181.66	100	10031.4	14705.6	######	-425.9	14705.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
153	24400.00	89.22	181.66	100	10032.7	14805.6	######	-428.8	14805.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
154	24500.00	89.22	181.66	100	10034.1	14905.6	######	-431.7	14905.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
155	24600.00	89.22	181.66	100	10035.5	15005.6	######	-434.6	15005.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
156	24700.00	89.22	181.66	100	10036.8	15105.6	######	-437.5	15105.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
157	24800.00	89.22	181.66	100	10038.2	15205.6	######	-440.4	15205.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
158	24900.00	89.22	181.66	100	10039.5	15305.6	######	-443.3	15305.6	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
159	25000.00	89.22	181.66	100	10040.9	15405.5	######	-446.1	15405.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
160	25100.00	89.22	181.66	100	10042.3	15505.5	######	-449.0	15505.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
161	25200.00	89.22	181.66	100	10043.6	15605.5	######	-451.9	15605.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
162	25300.00	89.22	181.66	100	10045.0	15705.5	######	-454.8	15705.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
163	25400.00	89.22	181.66	100	10046.4	15805.5	######	-457.7	15805.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
164	25500.00	89.22	181.66	100	10047.7	15905.5	######	-460.6	15905.5	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10
165	25597.17	89.22	181.66	97.167	10049.0	16002.7	######	-463.4	16002.7	181.7	0.0	0.0	9831.3	7.7	1.55719	3.17	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: North Wilson Deep Unit #18H
KOP: 9916.04
SHL: 255 FSL & 1300 FWL, Sec 16, 21S-35E
BHL: 100 FSL & 1300 FWL, Sec 33, 21S-35E

Target KBTVD: 10,489 Feet 10489.00
Target Angle: 88.89 Degrees 88.89
Section Plane: 180.12 Degrees
Declination Corrected to True North: 0.00 Degrees
Bit to Survey Offset: 0 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT RADIANS	AZIMUTH (RADIANS)	
T/I	9916.04	0.00	180.12	N/A	9916.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9916.0	573.0	1E-12	3.14	########
1	10004.93	8.89	180.12	88.885	10004.6	6.9	-6.9	0.0	6.9	180.1	10.0	10.0	10004.4	484.6	0.15513	3.14	0.15513
2	10093.81	17.78	180.12	88.885	10091.0	27.4	-27.4	-0.1	27.4	180.1	10.0	10.0	10090.4	398.6	0.31027	3.14	0.15513
3	10182.70	26.67	180.12	88.885	10173.2	60.9	-60.9	-0.1	60.9	180.1	10.0	10.0	10172.0	317.0	0.4654	3.14	0.15513
4	10271.58	35.55	180.12	88.885	10249.2	106.8	-106.8	-0.2	106.8	180.1	10.0	10.0	10247.1	241.9	0.62054	3.14	0.15513
5	10360.47	44.44	180.12	88.885	10317.2	163.9	-163.9	-0.3	163.9	180.1	10.0	10.0	10314.0	175.0	0.77567	3.14	0.15513
6	10449.35	53.33	180.12	88.885	10375.6	230.8	-230.8	-0.5	230.8	180.1	10.0	10.0	10371.1	117.9	0.9308	3.14	0.15513
7	10538.24	62.22	180.12	88.885	10423.0	305.9	-305.9	-0.6	305.9	180.1	10.0	10.0	10417.0	72.0	1.08594	3.14	0.15513
8	10627.12	71.11	180.12	88.885	10458.1	387.4	-387.4	-0.8	387.4	180.1	10.0	10.0	10450.6	38.4	1.24107	3.14	0.15513
9	10716.01	80.00	180.12	88.885	10480.3	473.4	-473.4	-1.0	473.4	180.1	10.0	10.0	10471.1	17.9	1.39621	3.14	0.15513
10	10804.89	88.89	180.12	88.885	10488.9	561.8	-561.8	-1.1	561.8	180.1	10.0	10.0	10478.0	11.0	1.55134	3.14	0.15513
11	10900.00	88.89	180.12	95.105	10490.7	656.9	-656.9	-1.3	656.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
12	11000.00	88.89	180.12	100	10492.7	756.9	-756.9	-1.5	756.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
13	11100.00	88.89	180.12	100	10494.6	856.9	-856.9	-1.8	856.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
14	11200.00	88.89	180.12	100	10496.6	956.8	-956.8	-2.0	956.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
15	11300.00	88.89	180.12	100	10498.5	1056.8	-1056.8	-2.2	1056.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
16	11400.00	88.89	180.12	100	10500.5	1156.8	-1156.8	-2.4	1156.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
17	11500.00	88.89	180.12	100	10502.4	1256.8	-1256.8	-2.6	1256.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
18	11600.00	88.89	180.12	100	10504.4	1356.8	-1356.8	-2.8	1356.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
19	11700.00	88.89	180.12	100	10506.3	1456.7	-1456.7	-3.0	1456.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
20	11800.00	88.89	180.12	100	10508.3	1556.7	-1556.7	-3.2	1556.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
21	11900.00	88.89	180.12	100	10510.2	1656.7	-1656.7	-3.4	1656.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
22	12000.00	88.89	180.12	100	10512.1	1756.7	-1756.7	-3.6	1756.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
23	12100.00	88.89	180.12	100	10514.1	1856.7	-1856.7	-3.8	1856.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
24	12200.00	88.89	180.12	100	10516.0	1956.7	-1956.6	-4.0	1956.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
25	12300.00	88.89	180.12	100	10518.0	2056.6	-2056.6	-4.2	2056.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
26	12400.00	88.89	180.12	100	10519.9	2156.6	-2156.6	-4.4	2156.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
27	12500.00	88.89	180.12	100	10521.9	2256.6	-2256.6	-4.6	2256.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
28	12600.00	88.89	180.12	100	10523.8	2356.6	-2356.6	-4.8	2356.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
29	12700.00	88.89	180.12	100	10525.8	2456.6	-2456.6	-5.0	2456.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
30	12800.00	88.89	180.12	100	10527.7	2556.5	-2556.5	-5.2	2556.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
31	12900.00	88.89	180.12	100	10529.7	2656.5	-2656.5	-5.4	2656.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
32	13000.00	88.89	180.12	100	10531.6	2756.5	-2756.5	-5.6	2756.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
33	13100.00	88.89	180.12	100	10533.5	2856.5	-2856.5	-5.8	2856.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
34	13200.00	88.89	180.12	100	10535.5	2956.5	-2956.5	-6.0	2956.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
35	13300.00	88.89	180.12	100	10537.4	3056.4	-3056.4	-6.3	3056.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
36	13400.00	88.89	180.12	100	10539.4	3156.4	-3156.4	-6.5	3156.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
37	13500.00	88.89	180.12	100	10541.3	3256.4	-3256.4	-6.7	3256.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
38	13600.00	88.89	180.12	100	10543.3	3356.4	-3356.4	-6.9	3356.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
39	13700.00	88.89	180.12	100	10545.2	3456.4	-3456.4	-7.1	3456.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
40	13800.00	88.89	180.12	100	10547.2	3556.3	-3556.3	-7.3	3556.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
41	13900.00	88.89	180.12	100	10549.1	3656.3	-3656.3	-7.5	3656.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
42	14000.00	88.89	180.12	100	10551.1	3756.3	-3756.3	-7.7	3756.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
43	14100.00	88.89	180.12	100	10553.0	3856.3	-3856.3	-7.9	3856.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
44	14200.00	88.89	180.12	100	10554.9	3956.3	-3956.3	-8.1	3956.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
45	14300.00	88.89	180.12	100	10556.9	4056.3	-4056.2	-8.3	4056.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
46	14400.00	88.89	180.12	100	10558.8	4156.2	-4156.2	-8.5	4156.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
47	14500.00	88.89	180.12	100	10560.8	4256.2	-4256.2	-8.7	4256.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
48	14600.00	88.89	180.12	100	10562.7	4356.2	-4356.2	-8.9	4356.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
49	14700.00	88.89	180.12	100	10564.7	4456.2	-4456.2	-9.1	4456.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
50	14800.00	88.89	180.12	100	10566.6	4556.2	-4556.2	-9.3	4556.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10

51	14900.00	88.89	180.12	100	10568.6	4656.1	-4656.1	-9.5	4656.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
52	15000.00	88.89	180.12	100	10570.5	4756.1	-4756.1	-9.7	4756.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
53	15100.00	88.89	180.12	100	10572.5	4856.1	-4856.1	-9.9	4856.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
54	15200.00	88.89	180.12	100	10574.4	4956.1	-4956.1	-10.1	4956.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
55	15300.00	88.89	180.12	100	10576.3	5056.1	-5056.1	-10.3	5056.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
56	15400.00	88.89	180.12	100	10578.3	5156.0	-5156.0	-10.5	5156.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10

57	15500.00	88.89	180.12	100	10580.2	5256.0	-5256.0	-10.8	5256.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
58	15600.00	88.89	180.12	100	10582.2	5356.0	-5356.0	-11.0	5356.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
59	15700.00	88.89	180.12	100	10584.1	5456.0	-5456.0	-11.2	5456.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
60	15800.00	88.89	180.12	100	10586.1	5556.0	-5556.0	-11.4	5556.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
61	15900.00	88.89	180.12	100	10588.0	5656.0	-5655.9	-11.6	5656.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
62	16000.00	88.89	180.12	100	10590.0	5755.9	-5755.9	-11.8	5755.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
63	16100.00	88.89	180.12	100	10591.9	5855.9	-5855.9	-12.0	5855.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
64	16200.00	88.89	180.12	100	10593.9	5955.9	-5955.9	-12.2	5955.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
65	16300.00	88.89	180.12	100	10595.8	6055.9	-6055.9	-12.4	6055.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
66	16400.00	88.89	180.12	100	10597.7	6155.9	-6155.8	-12.6	6155.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
67	16500.00	88.89	180.12	100	10599.7	6255.8	-6255.8	-12.8	6255.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
68	16600.00	88.89	180.12	100	10601.6	6355.8	-6355.8	-13.0	6355.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
69	16700.00	88.89	180.12	100	10603.6	6455.8	-6455.8	-13.2	6455.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
70	16800.00	88.89	180.12	100	10605.5	6555.8	-6555.8	-13.4	6555.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
71	16900.00	88.89	180.12	100	10607.5	6655.8	-6655.7	-13.6	6655.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
72	17000.00	88.89	180.12	100	10609.4	6755.7	-6755.7	-13.8	6755.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
73	17100.00	88.89	180.12	100	10611.4	6855.7	-6855.7	-14.0	6855.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
74	17200.00	88.89	180.12	100	10613.3	6955.7	-6955.7	-14.2	6955.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
75	17300.00	88.89	180.12	100	10615.3	7055.7	-7055.7	-14.4	7055.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
76	17400.00	88.89	180.12	100	10617.2	7155.7	-7155.7	-14.6	7155.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
77	17500.00	88.89	180.12	100	10619.1	7255.6	-7255.6	-14.8	7255.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
78	17600.00	88.89	180.12	100	10621.1	7355.6	-7355.6	-15.0	7355.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
79	17700.00	88.89	180.12	100	10623.0	7455.6	-7455.6	-15.3	7455.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
80	17800.00	88.89	180.12	100	10625.0	7555.6	-7555.6	-15.5	7555.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
81	17900.00	88.89	180.12	100	10626.9	7655.6	-7655.6	-15.7	7655.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
82	18000.00	88.89	180.12	100	10628.9	7755.6	-7755.5	-15.9	7755.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
83	18100.00	88.89	180.12	100	10630.8	7855.5	-7855.5	-16.1	7855.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
84	18200.00	88.89	180.12	100	10632.8	7955.5	-7955.5	-16.3	7955.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
85	18300.00	88.89	180.12	100	10634.7	8055.5	-8055.5	-16.5	8055.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
86	18400.00	88.89	180.12	100	10636.7	8155.5	-8155.5	-16.7	8155.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
87	18500.00	88.89	180.12	100	10638.6	8255.5	-8255.4	-16.9	8255.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
88	18600.00	88.89	180.12	100	10640.5	8355.4	-8355.4	-17.1	8355.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
89	18700.00	88.89	180.12	100	10642.5	8455.4	-8455.4	-17.3	8455.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
90	18800.00	88.89	180.12	100	10644.4	8555.4	-8555.4	-17.5	8555.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
91	18900.00	88.89	180.12	100	10646.4	8655.4	-8655.4	-17.7	8655.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
92	19000.00	88.89	180.12	100	10648.3	8755.4	-8755.3	-17.9	8755.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
93	19100.00	88.89	180.12	100	10650.3	8855.3	-8855.3	-18.1	8855.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
94	19200.00	88.89	180.12	100	10652.2	8955.3	-8955.3	-18.3	8955.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
95	19300.00	88.89	180.12	100	10654.2	9055.3	-9055.3	-18.5	9055.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
96	19400.00	88.89	180.12	100	10656.1	9155.3	-9155.3	-18.7	9155.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
97	19500.00	88.89	180.12	100	10658.1	9255.3	-9255.3	-18.9	9255.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
98	19600.00	88.89	180.12	100	10660.0	9355.3	-9355.2	-19.1	9355.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
99	19700.00	88.89	180.12	100	10661.9	9455.2	-9455.2	-19.3	9455.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
100	19800.00	88.89	180.12	100	10663.9	9555.2	-9555.2	-19.5	9555.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
101	19900.00	88.89	180.12	100	10665.8	9655.2	-9655.2	-19.8	9655.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
102	20000.00	88.89	180.12	100	10667.8	9755.2	-9755.2	-20.0	9755.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
103	20100.00	88.89	180.12	100	10669.7	9855.2	-9855.1	-20.2	9855.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
104	20200.00	88.89	180.12	100	10671.7	9955.1	-9955.1	-20.4	9955.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
105	20300.00	88.89	180.12	100	10673.6	10055.1	######	-20.6	10055.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
106	20400.00	88.89	180.12	100	10675.6	10155.1	######	-20.8	10155.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
107	20500.00	88.89	180.12	100	10677.5	10255.1	######	-21.0	10255.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
108	20600.00	88.89	180.12	100	10679.5	10355.1	######	-21.2	10355.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
109	20700.00	88.89	180.12	100	10681.4	10455.0	######	-21.4	10455.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
110	20800.00	88.89	180.12	100	10683.3	10555.0	######	-21.6	10555.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
111	20900.00	88.89	180.12	100	10685.3	10655.0	######	-21.8	10655.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
112	21000.00	88.89	180.12	100	10687.2	10755.0	######	-22.0	10755.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
113	21100.00	88.89	180.12	100	10689.2	10855.0	######	-22.2	10855.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
114	21200.00	88.89	180.12	100	10691.1	10954.9	######	-22.4	10954.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
115	21300.00	88.89	180.12	100	10693.1	11054.9	######	-22.6	11054.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
116	21400.00	88.89	180.12	100	10695.0	11154.9	######	-22.8	11154.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
117	21500.00	88.89	180.12	100	10697.0	11254.9	######	-23.0	11254.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
118	21600.00	88.89	180.12	100	10698.9	11354.9	######	-23.2	11354.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
119	21700.00	88.89	180.12	100	10700.9	11454.9	######	-23.4	11454.9	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
120	21800.00	88.89	180.12	100	10702.8	11554.8	######	-23.6	11554.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
121	21900.00	88.89	180.12	100	10704.7	11654.8	######	-23.8	11654.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
122	22000.00	88.89	180.12	100	10706.7	11754.8	######	-24.0	11754.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10

123	22100.00	88.89	180.12	100	10708.6	11854.8	######	-24.3	11854.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
124	22200.00	88.89	180.12	100	10710.6	11954.8	######	-24.5	11954.8	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
125	22300.00	88.89	180.12	100	10712.5	12054.7	######	-24.7	12054.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
126	22400.00	88.89	180.12	100	10714.5	12154.7	######	-24.9	12154.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
127	22500.00	88.89	180.12	100	10716.4	12254.7	######	-25.1	12254.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
128	22600.00	88.89	180.12	100	10718.4	12354.7	######	-25.3	12354.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
129	22700.00	88.89	180.12	100	10720.3	12454.7	######	-25.5	12454.7	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
130	22800.00	88.89	180.12	100	10722.3	12554.6	######	-25.7	12554.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
131	22900.00	88.89	180.12	100	10724.2	12654.6	######	-25.9	12654.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
132	23000.00	88.89	180.12	100	10726.1	12754.6	######	-26.1	12754.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
133	23100.00	88.89	180.12	100	10728.1	12854.6	######	-26.3	12854.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
134	23200.00	88.89	180.12	100	10730.0	12954.6	######	-26.5	12954.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
135	23300.00	88.89	180.12	100	10732.0	13054.6	######	-26.7	13054.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
136	23400.00	88.89	180.12	100	10733.9	13154.5	######	-26.9	13154.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
137	23500.00	88.89	180.12	100	10735.9	13254.5	######	-27.1	13254.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
138	23600.00	88.89	180.12	100	10737.8	13354.5	######	-27.3	13354.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
139	23700.00	88.89	180.12	100	10739.8	13454.5	######	-27.5	13454.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
140	23800.00	88.89	180.12	100	10741.7	13554.5	######	-27.7	13554.5	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
141	23900.00	88.89	180.12	100	10743.7	13654.4	######	-27.9	13654.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
142	24000.00	88.89	180.12	100	10745.6	13754.4	######	-28.1	13754.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
143	24100.00	88.89	180.12	100	10747.5	13854.4	######	-28.3	13854.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
144	24200.00	88.89	180.12	100	10749.5	13954.4	######	-28.5	13954.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
145	24300.00	88.89	180.12	100	10751.4	14054.4	######	-28.7	14054.4	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
146	24400.00	88.89	180.12	100	10753.4	14154.3	######	-29.0	14154.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
147	24500.00	88.89	180.12	100	10755.3	14254.3	######	-29.2	14254.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
148	24600.00	88.89	180.12	100	10757.3	14354.3	######	-29.4	14354.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
149	24700.00	88.89	180.12	100	10759.2	14454.3	######	-29.6	14454.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
150	24800.00	88.89	180.12	100	10761.2	14554.3	######	-29.8	14554.3	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
151	24900.00	88.89	180.12	100	10763.1	14654.2	######	-30.0	14654.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
152	25000.00	88.89	180.12	100	10765.1	14754.2	######	-30.2	14754.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
153	25100.00	88.89	180.12	100	10767.0	14854.2	######	-30.4	14854.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
154	25200.00	88.89	180.12	100	10768.9	14954.2	######	-30.6	14954.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
155	25300.00	88.89	180.12	100	10770.9	15054.2	######	-30.8	15054.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
156	25400.00	88.89	180.12	100	10772.8	15154.2	######	-31.0	15154.2	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
157	25500.00	88.89	180.12	100	10774.8	15254.1	######	-31.2	15254.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
158	25600.00	88.89	180.12	100	10776.7	15354.1	######	-31.4	15354.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
159	25700.00	88.89	180.12	100	10778.7	15454.1	######	-31.6	15454.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
160	25800.00	88.89	180.12	100	10780.6	15554.1	######	-31.8	15554.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
161	25900.00	88.89	180.12	100	10782.6	15654.1	######	-32.0	15654.1	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
162	26000.00	88.89	180.12	100	10784.5	15754.0	######	-32.2	15754.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
163	26100.00	88.89	180.12	100	10786.5	15854.0	######	-32.4	15854.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
164	26200.00	88.89	180.12	100	10788.4	15954.0	######	-32.6	15954.0	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10
165	26233.57	88.89	180.12	33.567	10789.1	15987.6	######	-32.7	15987.6	180.1	0.0	0.0	10478.0	11.0	1.55134	3.14	1E-10

Mewbourne Oil Company

SURVEY CALCULATION REPORT
Minimum Curvature Calculations

Operator: Mewbourne Oil Company
Lease Name: North Wilson Deep Unit #19H
KOP: 9216.04
SHL: 245 FSL & 1339 FWL, Sec 16, 21S-35E
BHL: 100 FSL & 2170 FWL, Sec 33, 21S-35E

Target KBTVD: 9,789 Feet 9789.00
Target Angle: 89.22 Degrees 89.22
Section Plane: 177.14 Degrees
Declination Corrected to True North: 0.00 Degrees
Bit to Survey Offset: 0 Feet

Survey No.	Measured Depth-ft	Drift (Deg.)	Azimuth (Deg.)	Course Length	TVD (Feet)	Vertical Section	+N/-S (Feet)	+E/-W (Feet)	Closure Distance	Closure Direction	BUR	DLS	KBTVD	+Above -Below Target	DRIFT RADIANS	AZIMUTH (RADIANS)	
T/I	9216.04	0.00	177.14	N/A	9216.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A	9216.0	573.0	1E-12	3.09	#######
1	9305.26	8.92	177.14	89.22	9304.9	6.9	-6.9	0.3	6.9	177.1	10.0	10.0	9304.8	484.2	0.15572	3.09	0.15572
2	9394.48	17.84	177.14	89.22	9391.6	27.6	-27.5	1.4	27.6	177.1	10.0	10.0	9391.2	397.8	0.31144	3.09	0.15572
3	9483.70	26.77	177.14	89.22	9474.1	61.4	-61.3	3.1	61.4	177.1	10.0	10.0	9473.2	315.8	0.46715	3.09	0.15572
4	9572.92	35.69	177.14	89.22	9550.3	107.6	-107.5	5.4	107.6	177.1	10.0	10.0	9548.8	240.2	0.62287	3.09	0.15572
5	9662.14	44.61	177.14	89.22	9618.4	165.1	-164.9	8.2	165.1	177.1	10.0	10.0	9616.2	172.8	0.77859	3.09	0.15572
6	9751.36	53.53	177.14	89.22	9676.8	232.4	-232.1	11.6	232.4	177.1	10.0	10.0	9673.6	115.4	0.93431	3.09	0.15572
7	9840.58	62.45	177.14	89.22	9724.0	308.0	-307.6	15.4	308.0	177.1	10.0	10.0	9719.9	69.1	1.09003	3.09	0.15572
8	9929.80	71.38	177.14	89.22	9759.0	390.0	-389.5	19.5	390.0	177.1	10.0	10.0	9753.7	35.3	1.24575	3.09	0.15572
9	10019.02	80.30	177.14	89.22	9780.8	476.4	-475.8	23.8	476.4	177.1	10.0	10.0	9774.3	14.7	1.40146	3.09	0.15572
10	10108.24	89.22	177.14	89.22	9788.9	565.2	-564.5	28.2	565.2	177.1	10.0	10.0	9781.3	7.7	1.55718	3.09	0.15572
11	10200.00	89.22	177.14	91.758	9790.2	656.9	-656.1	32.8	656.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
12	10300.00	89.22	177.14	100	9791.6	756.9	-756.0	37.8	756.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
13	10400.00	89.22	177.14	100	9792.9	856.9	-855.8	42.8	856.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
14	10500.00	89.22	177.14	100	9794.3	956.9	-955.7	47.8	956.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
15	10600.00	89.22	177.14	100	9795.6	1056.9	-1055.6	52.7	1056.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
16	10700.00	89.22	177.14	100	9797.0	1156.9	-1155.4	57.7	1156.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
17	10800.00	89.22	177.14	100	9798.4	1256.9	-1255.3	62.7	1256.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
18	10900.00	89.22	177.14	100	9799.7	1356.8	-1355.2	67.7	1356.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
19	11000.00	89.22	177.14	100	9801.1	1456.8	-1455.0	72.7	1456.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
20	11100.00	89.22	177.14	100	9802.4	1556.8	-1554.9	77.7	1556.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
21	11200.00	89.22	177.14	100	9803.8	1656.8	-1654.8	82.7	1656.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
22	11300.00	89.22	177.14	100	9805.2	1756.8	-1754.6	87.7	1756.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
23	11400.00	89.22	177.14	100	9806.5	1856.8	-1854.5	92.7	1856.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
24	11500.00	89.22	177.14	100	9807.9	1956.8	-1954.3	97.6	1956.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
25	11600.00	89.22	177.14	100	9809.3	2056.8	-2054.2	102.6	2056.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
26	11700.00	89.22	177.14	100	9810.6	2156.8	-2154.1	107.6	2156.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
27	11800.00	89.22	177.14	100	9812.0	2256.8	-2253.9	112.6	2256.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
28	11900.00	89.22	177.14	100	9813.3	2356.7	-2353.8	117.6	2356.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
29	12000.00	89.22	177.14	100	9814.7	2456.7	-2453.7	122.6	2456.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
30	12100.00	89.22	177.14	100	9816.1	2556.7	-2553.5	127.6	2556.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
31	12200.00	89.22	177.14	100	9817.4	2656.7	-2653.4	132.6	2656.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
32	12300.00	89.22	177.14	100	9818.8	2756.7	-2753.3	137.6	2756.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
33	12400.00	89.22	177.14	100	9820.1	2856.7	-2853.1	142.6	2856.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
34	12500.00	89.22	177.14	100	9821.5	2956.7	-2953.0	147.5	2956.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
35	12600.00	89.22	177.14	100	9822.9	3056.7	-3052.9	152.5	3056.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
36	12700.00	89.22	177.14	100	9824.2	3156.7	-3152.7	157.5	3156.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
37	12800.00	89.22	177.14	100	9825.6	3256.7	-3252.6	162.5	3256.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
38	12900.00	89.22	177.14	100	9827.0	3356.7	-3352.5	167.5	3356.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
39	13000.00	89.22	177.14	100	9828.3	3456.6	-3452.3	172.5	3456.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
40	13100.00	89.22	177.14	100	9829.7	3556.6	-3552.2	177.5	3556.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
41	13200.00	89.22	177.14	100	9831.0	3656.6	-3652.1	182.5	3656.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
42	13300.00	89.22	177.14	100	9832.4	3756.6	-3751.9	187.5	3756.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
43	13400.00	89.22	177.14	100	9833.8	3856.6	-3851.8	192.5	3856.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
44	13500.00	89.22	177.14	100	9835.1	3956.6	-3951.7	197.4	3956.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
45	13600.00	89.22	177.14	100	9836.5	4056.6	-4051.5	202.4	4056.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
46	13700.00	89.22	177.14	100	9837.8	4156.6	-4151.4	207.4	4156.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
47	13800.00	89.22	177.14	100	9839.2	4256.6	-4251.3	212.4	4256.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
48	13900.00	89.22	177.14	100	9840.6	4356.6	-4351.1	217.4	4356.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
49	14000.00	89.22	177.14	100	9841.9	4456.6	-4451.0	222.4	4456.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
50	14100.00	89.22	177.14	100	9843.3	4556.5	-4550.9	227.4	4556.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10

51	14200.00	89.22	177.14	100	9844.7	4656.5	-4650.7	232.4	4656.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
52	14300.00	89.22	177.14	100	9846.0	4756.5	-4750.6	237.4	4756.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
53	14400.00	89.22	177.14	100	9847.4	4856.5	-4850.5	242.4	4856.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
54	14500.00	89.22	177.14	100	9848.7	4956.5	-4950.3	247.3	4956.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
55	14600.00	89.22	177.14	100	9850.1	5056.5	-5050.2	252.3	5056.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
56	14700.00	89.22	177.14	100	9851.5	5156.5	-5150.1	257.3	5156.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10

57	14800.00	89.22	177.14	100	9852.8	5256.5	-5249.9	262.3	5256.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
58	14900.00	89.22	177.14	100	9854.2	5356.5	-5349.8	267.3	5356.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
59	15000.00	89.22	177.14	100	9855.5	5456.5	-5449.7	272.3	5456.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
60	15100.00	89.22	177.14	100	9856.9	5556.5	-5549.5	277.3	5556.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
61	15200.00	89.22	177.14	100	9858.3	5656.4	-5649.4	282.3	5656.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
62	15300.00	89.22	177.14	100	9859.6	5756.4	-5749.3	287.3	5756.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
63	15400.00	89.22	177.14	100	9861.0	5856.4	-5849.1	292.3	5856.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
64	15500.00	89.22	177.14	100	9862.4	5956.4	-5949.0	297.2	5956.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
65	15600.00	89.22	177.14	100	9863.7	6056.4	-6048.9	302.2	6056.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
66	15700.00	89.22	177.14	100	9865.1	6156.4	-6148.7	307.2	6156.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
67	15800.00	89.22	177.14	100	9866.4	6256.4	-6248.6	312.2	6256.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
68	15900.00	89.22	177.14	100	9867.8	6356.4	-6348.5	317.2	6356.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
69	16000.00	89.22	177.14	100	9869.2	6456.4	-6448.3	322.2	6456.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
70	16100.00	89.22	177.14	100	9870.5	6556.4	-6548.2	327.2	6556.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
71	16200.00	89.22	177.14	100	9871.9	6656.4	-6648.1	332.2	6656.4	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
72	16300.00	89.22	177.14	100	9873.2	6756.3	-6747.9	337.2	6756.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
73	16400.00	89.22	177.14	100	9874.6	6856.3	-6847.8	342.2	6856.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
74	16500.00	89.22	177.14	100	9876.0	6956.3	-6947.7	347.1	6956.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
75	16600.00	89.22	177.14	100	9877.3	7056.3	-7047.5	352.1	7056.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
76	16700.00	89.22	177.14	100	9878.7	7156.3	-7147.4	357.1	7156.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
77	16800.00	89.22	177.14	100	9880.1	7256.3	-7247.3	362.1	7256.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
78	16900.00	89.22	177.14	100	9881.4	7356.3	-7347.1	367.1	7356.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
79	17000.00	89.22	177.14	100	9882.8	7456.3	-7447.0	372.1	7456.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
80	17100.00	89.22	177.14	100	9884.1	7556.3	-7546.9	377.1	7556.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
81	17200.00	89.22	177.14	100	9885.5	7656.3	-7646.7	382.1	7656.3	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
82	17300.00	89.22	177.14	100	9886.9	7756.2	-7746.6	387.1	7756.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
83	17400.00	89.22	177.14	100	9888.2	7856.2	-7846.5	392.1	7856.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
84	17500.00	89.22	177.14	100	9889.6	7956.2	-7946.3	397.0	7956.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
85	17600.00	89.22	177.14	100	9890.9	8056.2	-8046.2	402.0	8056.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
86	17700.00	89.22	177.14	100	9892.3	8156.2	-8146.1	407.0	8156.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
87	17800.00	89.22	177.14	100	9893.7	8256.2	-8245.9	412.0	8256.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
88	17900.00	89.22	177.14	100	9895.0	8356.2	-8345.8	417.0	8356.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
89	18000.00	89.22	177.14	100	9896.4	8456.2	-8445.6	422.0	8456.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
90	18100.00	89.22	177.14	100	9897.7	8556.2	-8545.5	427.0	8556.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
91	18200.00	89.22	177.14	100	9899.1	8656.2	-8645.4	432.0	8656.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
92	18300.00	89.22	177.14	100	9900.5	8756.2	-8745.2	437.0	8756.2	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
93	18400.00	89.22	177.14	100	9901.8	8856.1	-8845.1	442.0	8856.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
94	18500.00	89.22	177.14	100	9903.2	8956.1	-8945.0	446.9	8956.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
95	18600.00	89.22	177.14	100	9904.6	9056.1	-9044.8	451.9	9056.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
96	18700.00	89.22	177.14	100	9905.9	9156.1	-9144.7	456.9	9156.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
97	18800.00	89.22	177.14	100	9907.3	9256.1	-9244.6	461.9	9256.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
98	18900.00	89.22	177.14	100	9908.6	9356.1	-9344.4	466.9	9356.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
99	19000.00	89.22	177.14	100	9910.0	9456.1	-9444.3	471.9	9456.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
100	19100.00	89.22	177.14	100	9911.4	9556.1	-9544.2	476.9	9556.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
101	19200.00	89.22	177.14	100	9912.7	9656.1	-9644.0	481.9	9656.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
102	19300.00	89.22	177.14	100	9914.1	9756.1	-9743.9	486.9	9756.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
103	19400.00	89.22	177.14	100	9915.4	9856.1	-9843.8	491.8	9856.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
104	19500.00	89.22	177.14	100	9916.8	9956.0	-9943.6	496.8	9956.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
105	19600.00	89.22	177.14	100	9918.2	10056.0	######	501.8	10056.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
106	19700.00	89.22	177.14	100	9919.5	10156.0	######	506.8	10156.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
107	19800.00	89.22	177.14	100	9920.9	10256.0	######	511.8	10256.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
108	19900.00	89.22	177.14	100	9922.3	10356.0	######	516.8	10356.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
109	20000.00	89.22	177.14	100	9923.6	10456.0	######	521.8	10456.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
110	20100.00	89.22	177.14	100	9925.0	10556.0	######	526.8	10556.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
111	20200.00	89.22	177.14	100	9926.3	10656.0	######	531.8	10656.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
112	20300.00	89.22	177.14	100	9927.7	10756.0	######	536.8	10756.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
113	20400.00	89.22	177.14	100	9929.1	10856.0	######	541.7	10856.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
114	20500.00	89.22	177.14	100	9930.4	10956.0	######	546.7	10956.0	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
115	20600.00	89.22	177.14	100	9931.8	11055.9	######	551.7	11055.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
116	20700.00	89.22	177.14	100	9933.1	11155.9	######	556.7	11155.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
117	20800.00	89.22	177.14	100	9934.5	11255.9	######	561.7	11255.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
118	20900.00	89.22	177.14	100	9935.9	11355.9	######	566.7	11355.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
119	21000.00	89.22	177.14	100	9937.2	11455.9	######	571.7	11455.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
120	21100.00	89.22	177.14	100	9938.6	11555.9	######	576.7	11555.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
121	21200.00	89.22	177.14	100	9940.0	11655.9	######	581.7	11655.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
122	21300.00	89.22	177.14	100	9941.3	11755.9	######	586.7	11755.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10

123	21400.00	89.22	177.14	100	9942.7	11855.9	######	591.6	11855.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
124	21500.00	89.22	177.14	100	9944.0	11955.9	######	596.6	11955.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
125	21600.00	89.22	177.14	100	9945.4	12055.9	######	601.6	12055.9	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
126	21700.00	89.22	177.14	100	9946.8	12155.8	######	606.6	12155.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
127	21800.00	89.22	177.14	100	9948.1	12255.8	######	611.6	12255.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
128	21900.00	89.22	177.14	100	9949.5	12355.8	######	616.6	12355.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
129	22000.00	89.22	177.14	100	9950.8	12455.8	######	621.6	12455.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
130	22100.00	89.22	177.14	100	9952.2	12555.8	######	626.6	12555.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
131	22200.00	89.22	177.14	100	9953.6	12655.8	######	631.6	12655.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
132	22300.00	89.22	177.14	100	9954.9	12755.8	######	636.6	12755.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
133	22400.00	89.22	177.14	100	9956.3	12855.8	######	641.5	12855.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
134	22500.00	89.22	177.14	100	9957.7	12955.8	######	646.5	12955.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
135	22600.00	89.22	177.14	100	9959.0	13055.8	######	651.5	13055.8	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
136	22700.00	89.22	177.14	100	9960.4	13155.7	######	656.5	13155.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
137	22800.00	89.22	177.14	100	9961.7	13255.7	######	661.5	13255.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
138	22900.00	89.22	177.14	100	9963.1	13355.7	######	666.5	13355.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
139	23000.00	89.22	177.14	100	9964.5	13455.7	######	671.5	13455.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
140	23100.00	89.22	177.14	100	9965.8	13555.7	######	676.5	13555.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
141	23200.00	89.22	177.14	100	9967.2	13655.7	######	681.5	13655.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
142	23300.00	89.22	177.14	100	9968.5	13755.7	######	686.5	13755.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
143	23400.00	89.22	177.14	100	9969.9	13855.7	######	691.4	13855.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
144	23500.00	89.22	177.14	100	9971.3	13955.7	######	696.4	13955.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
145	23600.00	89.22	177.14	100	9972.6	14055.7	######	701.4	14055.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
146	23700.00	89.22	177.14	100	9974.0	14155.7	######	706.4	14155.7	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
147	23800.00	89.22	177.14	100	9975.3	14255.6	######	711.4	14255.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
148	23900.00	89.22	177.14	100	9976.7	14355.6	######	716.4	14355.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
149	24000.00	89.22	177.14	100	9978.1	14455.6	######	721.4	14455.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
150	24100.00	89.22	177.14	100	9979.4	14555.6	######	726.4	14555.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
151	24200.00	89.22	177.14	100	9980.8	14655.6	######	731.4	14655.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
152	24300.00	89.22	177.14	100	9982.2	14755.6	######	736.4	14755.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
153	24400.00	89.22	177.14	100	9983.5	14855.6	######	741.3	14855.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
154	24500.00	89.22	177.14	100	9984.9	14955.6	######	746.3	14955.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
155	24600.00	89.22	177.14	100	9986.2	15055.6	######	751.3	15055.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
156	24700.00	89.22	177.14	100	9987.6	15155.6	######	756.3	15155.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
157	24800.00	89.22	177.14	100	9989.0	15255.6	######	761.3	15255.6	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
158	24900.00	89.22	177.14	100	9990.3	15355.5	######	766.3	15355.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
159	25000.00	89.22	177.14	100	9991.7	15455.5	######	771.3	15455.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
160	25100.00	89.22	177.14	100	9993.0	15555.5	######	776.3	15555.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
161	25200.00	89.22	177.14	100	9994.4	15655.5	######	781.3	15655.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
162	25300.00	89.22	177.14	100	9995.8	15755.5	######	786.3	15755.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
163	25400.00	89.22	177.14	100	9997.1	15855.5	######	791.2	15855.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
164	25500.00	89.22	177.14	100	9998.5	15955.5	######	796.2	15955.5	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10
165	25539.64	89.22	177.14	39.645	9999.0	15995.1	######	798.2	15995.1	177.1	0.0	0.0	9781.3	7.7	1.55718	3.09	1E-10

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO. **CASE NO. 25435**

SELF-AFFIRMED STATEMENT Of NOTICE

COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.

2. I am an attorney for Mewbourne Oil Company ("Mewbourne").

3. Mewbourne has conducted a good faith, diligent effort to determine the names and current addresses of the interest owners entitled to receive notice of the application filed herein.

4. Notice of the application was provided to the interest owner, at its last known address, by certified mail. Copies of the notice letter and certified receipts are attached hereto as Exhibit 4-A.

5. Mewbourne has complied with the notice provisions of Division Rules.

I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in Paragraphs 1 through 5 is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date next to my signature below.

7/2/25
Date

James Bruce
James Bruce

EXHIBIT A

JAMES BRUCE
Attorney at Law

Post Office Box 1056
Santa Fe, New Mexico 87504

369 Montezuma Avenue, No. 213
Santa Fe, New Mexico 87501

Phone: (505-982-2043
Cell: (505) 660-6612

jamesbruc@aol.com

June 16, 2025

To Person Listed on Exhibit A

EXHIBIT 4.A

Ladies and Gentlemen:

Mewbourne Oil Company has filed the enclosed application with the New Mexico Oil Conservation Division requesting compulsory pooling, as follows:

> Case No. 25435: Mewbourne Oil Company ("Applicant") has filed an application with the Oil Conservation Division for an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a proximity tract horizontal spacing unit comprised of the W/2 of Section 21, the W/2 of Section 28, and the W/2 of Section 33, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico (the "Unit). Applicant proposes to drill the following wells in the Unit to test the Bone Spring formation:
>
> (a) The North Wilson Deep Unit Well No. 17H, with a first take point in the NW/4NW/4 of Section 21 and a last take point in the SW/4SW/4 of Section 33;
> (b) The North Wilson Deep Unit Well No. 18H, with a first take point in the NW/4NW/4 of Section 21 and a last take point in the SW/4SW/4 of Section 33; and
> (c) The North Wilson Deep Unit Well No. 19H, with a first take point in the NE/4NW/4 of Section 21 and a last take point in the SE/4SW/4 of Section 33.

Also to be considered will be the cost of drilling, completing, testing, and equipping the wells, and the allocation of the cost thereof among the wells' working interest owners, designation of Applicant as operator of the wells and the Unit, approval actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure, and setting a 200% charge for the risk involved in drilling, completing, testing, and equipping the wells in the event a working interest owner elects not to participate in the wells.

Thos matter is scheduled for hearing at 9:00 a.m. on Thursday, July 10, 2025. The hearing may be attended (a) in person in Pecos Hall of the Wendell Chino Building, First Floor, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, or (b) via the Division's virtual meeting platform.

To view the hearing docket and determine how to participate in an electronic hearing, go to https://www.emnrd.nm.gov/ocd/hearing-info/ or contact Freya Tschantz at Freya.Tschantz@emnrd.nm.gov. You are not required to attend the hearing, but an owner of an interest affected by the application may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date. A party appearing in a Division case is required to file a Pre-Hearing Statement with the Division no later than five business days before the hearing date. This statement may be filed online with the Division at ocd.hearings@emnrd.state.nm.gov and should include: The name of the party and the party's attorney; a concise statement of the case; the names of witnesses the party will call to testify at the hearing; the approximate time it will take the party to present its case; and any procedural matters that need to be resolved before the hearing. The Pre-Hearing Statement must also be provided to applicant's attorney, James Bruce, at the address given above.

Very truly yours,

James Bruce

Attorney for Mewbourne Oil Company

EXHIBIT A

Devon Energy Production Company, L.P.
333 West Sheridan Avenue
Oklahoma City, OK 73102

Attention: David Broussard

9589 0710 5270 2931 0283 41

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Sent To
Devon Energy Production Company, L.P.
Street and Apt. No., or PO B 333 West Sheridan Avenue
Oklahoma City, OK 73102
City, State, ZIP+4®

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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- Complete items 1, 2, and 3.
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Devon Energy Production Company, L.P.
333 West Sheridan Avenue
Oklahoma City, OK 73102

9590 9402 9124 4225 7729 88

2. Article Number (Transfer from service label)
9589 0710 5270 2931 0283 41

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X
☐ Agent
☐ Addressee

B. Received by (Printed Name) C. Date of Delivery
JUN 23 2025

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

OKLAHOMA CITY OK 73102 USPS

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- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2020 PSN 7530-02-000-9053 MOC - NWDK Domestic Return Receipt

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF MEWBOURNE OIL COMPANY FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 25435

APPLICATION

Mewbourne Oil Company ("Applicant") files this application with the Oil Conservation Division (the "Division") for an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a proximity tract horizontal spacing unit (within the North Wilson Deep Unit Area) comprised of the W/2 of Section 21, the W/2 of Section 28, and the W/2 of Section 33, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico (the "Unit). In support of this application, Applicant states:

1. Applicant is an interest owner and operator in the Unit, and has the right to drill a well or wells thereon.

2. Applicant proposes to drill the following wells in the Unit to test the Bone Spring formation: (a) The North Wilson Deep Unit Well No. 17H, with a first take point in the NW/4NW/4 of Section 21 and a last take point in the SW/4SW/4 of Section 33; (b) The North Wilson Deep Unit Well No. 18H, with a first take point in the NW/4NW/4 of Section 21 and a last take point in the SW/4SW/4 of Section 33; and (c) The North Wilson Deep Unit Well No. 19H, with a first take point in the NE/4NW/4 of Section 21 and a last take point in the SE/4SW/4 of Section 33

3. Although Applicant has in good faith sought to obtain voluntary joinder of all other mineral interest owners in the Unit to participate in the drilling of the wells or to otherwise commit their interests to the wells, certain interest owners have failed or refused to commit their interests.

EXHIBIT 5

Therefore, Applicant seeks an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying the Unit, pursuant to NMSA 1978 Sec. 70-2-17.

4. The pooling of all uncommitted mineral interest owners in the Bone Spring formation underlying the Unit will prevent the drilling of unnecessary wells, prevent waste, and protect correlative rights.

WHEREFORE, Applicant requests this application be set for hearing before an Examiner of the Division, and, after notice and hearing, the Division issue its order:

A. Pooling all uncommitted mineral interest owners in the Bone Spring formation underlying the Unit;

B. Designating Applicant as operator of the wells and the Unit;

C. Considering the cost of drilling, completing, testing, and equipping the wells, and allocating the cost thereof among the wells' working interest owners;

D. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure; and

E. Setting a 200% charge for the risk involved in drilling, completing, testing, and equipping the wells in the event a working interest owner elects not to participate in the wells.

Respectfully submitted,

James Bruce
Post Office Box 1056
Santa Fe, New Mexico 87504
Phone: (505) 982-2043
Cell: (505) 660-6612
jamesbruc@aol.com

Attorney for Mewbourne Oil Company

Application of Mewbourne Oil Company for compulsory pooling, Lea County, New Mexico: Mewbourne Oil Company ("Applicant") has filed an application with the Oil Conservation Division for an order pooling all uncommitted mineral interest owners in the Bone Spring formation underlying a proximity tract spacing unit comprised of the W/2 of Section 21, the W/2 of Section 28, and the W/2 of Section 33, Township 21 South, Range 35 East, NMPM, Lea County, New Mexico (the "Unit). Applicant proposes to drill the following wells in the Unit to test the Bone Spring formation:

(a) The North Wilson Deep Unit Well No. 17H, with a first take point in the NW/4NW/4 of Section 21 and a last take point in the SW/4SW/4 of Section 33;
(b) The North Wilson Deep Unit Well No. 18H, with a first take point in the NW/4NW/4 of Section 21 and a last take point in the SW/4SW/4 of Section 33; and
(c) The North Wilson Deep Unit Well No. 19H, with a first take point in the NE/4NW/4 of Section 21 and a last take point in the SE/4SW/4 of Section 33.

Also to be considered will be the cost of drilling, completing, testing, and equipping the wells, and the allocation of the cost thereof among the wells' working interest owners, designation of Applicant as operator of the wells and the Unit, approval actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure, and setting a 200% charge for the risk involved in drilling, completing, testing, and equipping the wells in the event a working interest owner elects not to participate in the wells. The Unit is located approximately 7-1/2 miles southwest of Oil Center, New Mexico.